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THE HORN SPEAKER

NATION'S station

WLW, "THE NATION'S STATION" — 500,000 WATTS

By Ray Poindexter

For five years during the 1930's, there was a 500,000 watt AM radio station in the United States. It was ten times stronger than the regularly licensed 50,000 watt maximum power outlets.

On May 2, 1934, Franklin D. Roosevelt pressed a gold telegraph key by remote control from Washington and activated a super power transmitter for WLW, Cincinnati. The Federal Radio Commission had granted WLW's power increase from 50,000 watts on a temporary "experimental basis." The increased coverage soon led to the slogan "The Nation's Station." The station had started in 1921 with 20 watts and with the amateur call letters 8CR.

President Roosevelt sent a message to Powell Crosley, Jr., president of the Crosley Radio Corporation, which said: "I have just pressed the key to formally open Station WLW. It has been a pleasure to do this, and may I take this opportunity to congratulate you and your staff upon the inauguration of the new radio service. I feel certain that WLW will give the people of our country and those of our neighbor stations a service managed and conducted for the greater good of all."

Wireless inventor Guglielmo Marconi and eminent scientist Albert Einstein were among many others who sent messages of congratulation.

WHO'S WHO AT WLW

WILLIAM C. STOESS

WM. C. STOESS

Although but 34 years old, William (Bill) C. Stoess might well be dubbed the "grand old man" of WLW. He has been associated with that station for 13 years; has seen it grow from a modest 500-watter to its present status as the world's most powerful broadcasting station with its present 500,000 watts of globe-circling strength. . . . Having literally grown up along with the broadcasting industry, Stoess knows his radio from A to Z. . . . In the early days he served his apprenticeship as musician, announcer, script writer, conductor. . . . About seven years ago he was elevated to his present position as WLW's Director of Music. In that capacity he has played an important part not only in the creation and production of that station's most successful broadcasts, but also in work of bringing the art of radio broadcasting to its present high stage of development. . . . As Music Director of WLW, Stoess heads the largest full-time radio musical staff in the world. . . . In addition to his executive activities, Director Stoess still finds time to conduct such ace musical shows as "Crosley Follies," "Music Box Hour," "Musical Style Show." The Flying Dutchmen —famed radio symphonic-jazz orchestra—is the apple of his eye. . . . A graduate of the College of Music of Cincinnati, his post-graduate work at that institution won for him the coveted Springer Medal. In 1925 he married Rosemary Allerbrock, herself an accomplished musician. . . . Away from the studios, Bill spends his time golfing, reading detective stories, thinking up strategies to defeat baldness. . . . Although he possesses a collection of some twenty-odd pipes, he is an inveterate stogie smoker.

RADIO DIAL, WEEK ENDING JUNE 13, 1935

The RCA Victor Company built the new plant at a cost of $500,000. The transmitter site was an isolated spot at Harrison, Ohio. It was placed there to avoid interference in thickly populated areas. A water spray pond formed a part of the cooling system through which was pumped 1,000,000 gallons of water daily to cool the vacuum tubes. A vertical tower was 831 feet high.

During a six-hour dedicatory program, Mr. Crosley praised the station's staff for their efforts in making the super station a reality. He gave a special tribute to Joe Chambers, WLW's technical director, for his work in supervising, design, construction and installation of the giant transmitter.

A promotional advertisement placed by WLW in BROADCASTING magazine boasted:

A giant speaks to the world. It is inanimate... it is neuter... yet it lives... it speaks... it sings. It bring joy to the sad... light to the blind... comfort to the sick. It is a miraculous monument to the dream of a man who over rode the prejudices of super power... who with courage and foresight changed the minds of millions... lifted the curtain on a new joy to mankind... opened new road to advertising possibilities for industry. This giant is your servant!

The temporary experimental permit expired in 1939 and WLW returned to its regular 50,000 watt operation.

Around the Dial

By THE DIAL TWISTER

Our friend, Ray Poindexter, always sharing his knowledge of the history of radio programing, wrote the article about WLW at a fitting time. Last month there was a discussion about the 1922 thousand KW station near Sainte Assie in France, the powerful "border-blaster" in Mexico aimed at the United States owned by J. R. Brinkley and engineered by Jim Weldon, and a mention of WLW's power.

Looking up Weldon's name in the index of THE ROGUISH WORLD OF DR. BRINKLEY by Gerald Carson, I noticed that only a few words existed in the book about Weldon. I was surprised by the book mentioning that the WLW staff could not make the transmitter "get out." When Jim Weldon told Brinkley that he could handle that much power and hurl it all over the U.S., Dr. Brinkley always wanting more power, said, "I guess you had better go ahead." Carson in the same book, wrote that it was a $75,000 decision.

But anyway both stations WLW

and XERA "got out" with tremendous energy, making the nation feel the might of both stations, one close to the legitimate center of the nation and the other out of bounds.

Some might ask, "Why the interests in the "borderblasters?" The answer is that Brinkley had a heavy impact, which Carson more or less proves in his book, on programing and Weldon got the chance to show off his ability to make superpower stations broadcast over wide areas of the world.

We are still trying to prepare the pictures of Michael Payne with his beautiful Marconi sets. Remember, he along with John Lill won the "Best of Show" trophies at a Vintage Radio and Phonograph Meet.

A method to find old radios that has been successful with many collectors, who are social minded, is to go to the editor or writer of your community newspaper and invite him or her to see your collection. Almost always there is a feature article with pictures about you and your collection, beautifully displayed on newsprint. Needless to say, many readers will call to give you a set or least sell it at a reasonable price and you will meet a lot of nice people who will spread the word about your desire for old radios and phonographs. Of course, as with many good things there is frequently a disadvantage, this time, being your valuable sets could be publicized to the wrong people, directly or indirectly. As I am sure you already know, a good sense of evaluating the security of your collection must be in order.

I, Jim Cranshaw will sign off and wish you happy collecting.

"Makers of History"
SUNDAY
5:30—5:45 P. M.
(EST)
1935
WSAI
Presented by the makers of
"Orange Squeeze"
and the
Grandpop Bottling Co.
815 West 5th St. CH. 0727

Colonel Cook and Fliers In Semi-Weekly Series On Nation's Station

FEBRUARY 7, 1935

Lieutenant Colonel H. Weir Cook was a youth in the early twenties when his exploits over the Western Front won him the coveted official rating of Ace, made him a hero at home. As a member of that famed death-defying "Hat-in-the-Ring" 94th Pursuit Squadron commanded by Captain Eddie Rickenbacker, strafing German "sausage" balloons, matching wits with enemy fliers, facing bursts of machine gun fire, shells, "archies", "flaming onions"—all this was just the day's work for young Lieutenant Weir Cook.

When the United States entered the war, Colonel Cook was already in France with the French Ambulance Service. Immediately joining the American aviation corps, he was soon in the thick of air fighting. At the end of the war he was a Captain, had brought down seven enemy planes according to official records, a number of others unofficial.

Since then he has served in the Air Corps of the regular army, flown the air mail, continues in commercial aviation. He is now a Lieutenant Colonel, serving as Air Officer of the 38th Division, National Guard. He is active in the National Aeronautic Association and in the National Aeronautics program of the American Legion.

Colonel Cook and his Pennant Flying Corps is sponsored over WLW by the makers of Pennant Syrup.

Joins WLW Musical Staff

THOMAS GRISELLE

Thomas Griselle, distinguished American composer, arranger, conductor, has just become associated with the musical staff of WLW. He stepped into national prominence in 1928 when awarded the $10,000 Victor Prize in recognition of his excellent work in composing "Two American Sketches."

JUNE 13, 1935

Well-Liked Baritone

JOHN BARKER

Long a favorite with America's musicomedy and revue followers, Baritone John Barker has firmly established himself in the hearts of radio listeners through his brilliant work before WLW microphones during the past year. Barker will sing "Ole Man River" during the Dodge Showdown Review, Sunday, February 3, 7 to 7:30 p. m. (E.S.T.).

BEHIND WLW'S MICROPHONES

Bob Nolan, versatile master of ceremonies of the popular Crosley Follies (Tuesday nights over WLW, WOR, WXYZ) still holds the house record for master of ceremonies at Detroit's Fisher Theater (19 months) and the Chicago Theater (12½ months) in Chicago.

* * *

Joe Ries, WLW announcer, has just been appointed to the Kiwanis International (Ohio District) Committee on Economy and Efficiency in Public Schools.

* * *

Both Family men, Lum and Abner are married to girls from their home state of Arkansas. Lum has two little daughters and Abner has a son just a year old.

* * *

Arthur Tracy, better known to radio and theater followers as "The Street Singer" (WLW and the Mutual Broadcasting System on Tuesdays, Thursdays, Saturdays, at 7:30 p. m.), recalls his first professional appearance was in grand opera—as a sword bearer in "L'Africaine."

* * *

Spaghetti is the favorite dish of Frank Simon, famed conductor of the Armco Concert Band (WLW-NBC Network, Sundays, 6:30 p. m.). He likes to invite friends to his home for late spaghetti suppers with he, himself doing honors as cook.

FEBRUARY 7, 1935

"PAINTED DREAMS" AGAIN HEARD ON NATION'S STATION

"Painted Dreams," one of radio's oldest dramatic shows, is now being heard over WLW, Mondays through Fridays, 11:45-noon (E.S.T.) The series is a Mutual network feature.

The series stars Bess Flynn as "Mother Moynihan," Alice Hill as "Alice Burke," and Kay Chase—author of the script—as "Joyce Foster." Cornelius Peoples, Chicago lad who starred recently in the "Tip Top Circus" series, is a new addition to the cast. Just out of school for his vacation, he plays the part of "Peter Smith."

JULY 18, 1935

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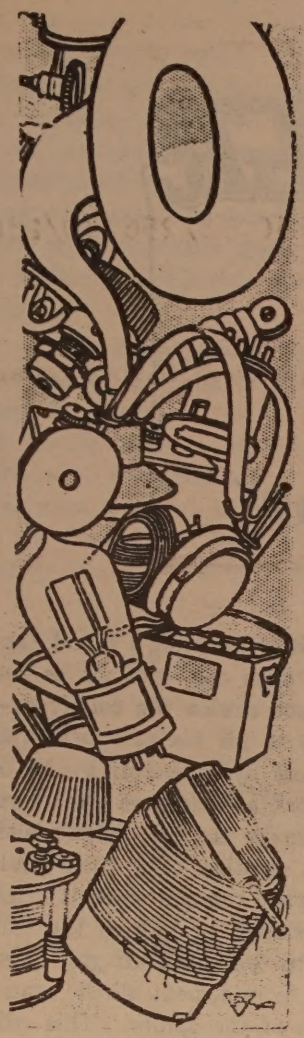

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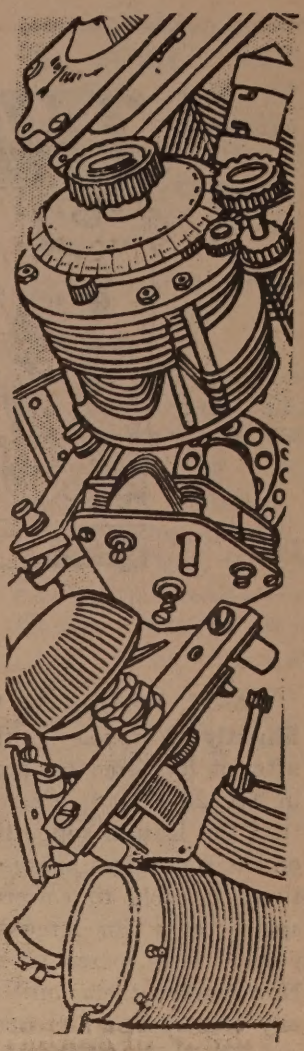

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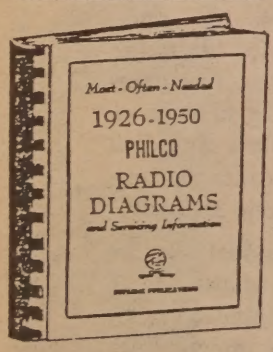
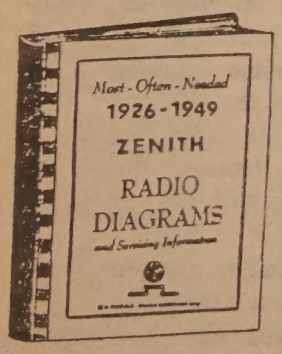
MOST-OFTEN-NEEDED 1926-38 RADIO DIAGRAMS AND SERVICING INFORMATION. Supreme's first servicing book. Extensive collection of schematics and service info. for the most popular early radios. Includes representative sets for all major manufacturers at the time. A valuable reference manual. 240 fact-filled pages. Item # P-8. $17.

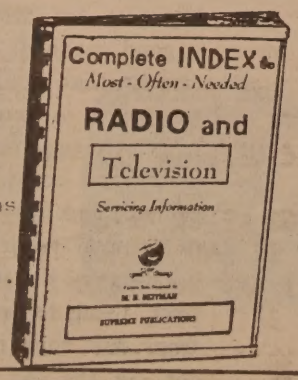


MOST-OFTEN-NEEDED 1926-50 PHILCO RADIO DIAGRAMS AND SERVICING INFORMATION. Completely dedicated to older Philco sets from the 1920's through 1950. Covers more than 250 models and chassis of Philco's most popular radios. 177 fact filled pages. Item # P-13. $17.

MOST-OFTEN-NEEDED 1947 FM AND TELEVISION SERVICING INFORMATION. Perhaps one of the few books ever published at the time devoted entirely to the relatively new technologies of FM and TV. Extensive circuit information and data. Twenty-four manufacturers are represented. Item # P-10. $17.



MOST-OFTEN-NEEDED 1926-49 ZENITH RADIO DIAGRAMS AND SERVICING INFORMATION. Zenith collectors will surely want to add this important book to their collection. Circuit diagrams and critical information on over 450 models and chassis for Zenith spanning 24 years. Item # P-12. $17.



COMPLETE INDEX FOR SUPREME PUBLICATIONS RADIO AND TV SERVICE MANUALS. Includes the most recent RCA, Philco and Zenith sets. Covers all included equipment from 1926 through 1970. Get the most out of your Supreme manuals with this invaluable reference. Item # P-11. $8.

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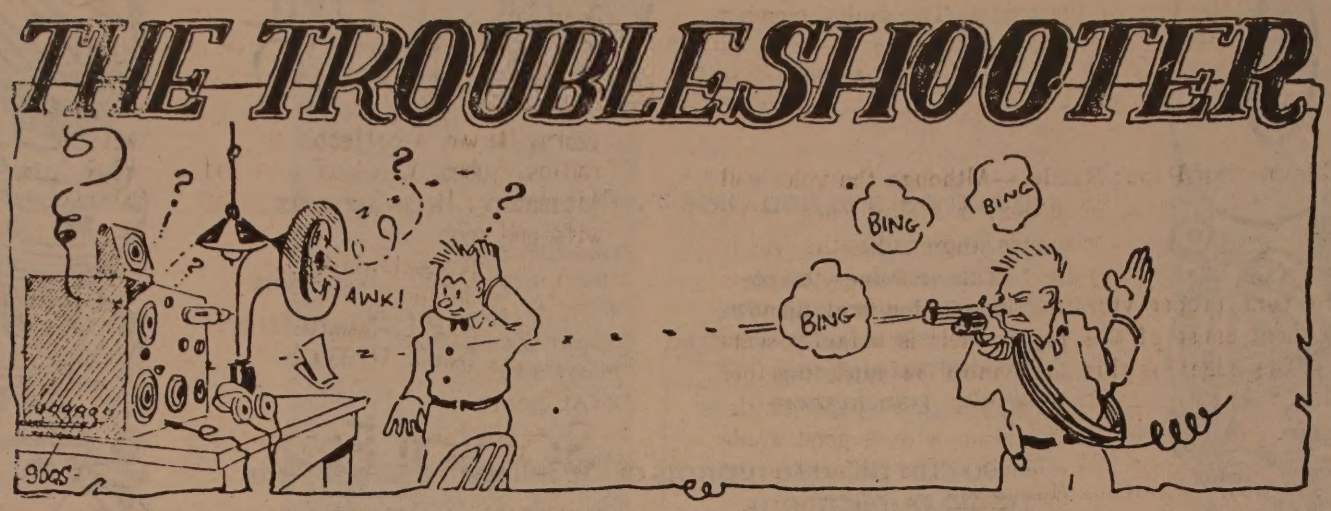

26-38. Recentering Voice Coil When Cone or Spider is Slightly Warped.—If the voice coil still continues to scrape after it has been recentered by one of the methods explained in Art. 26-37, it is possible that the cone is slightly warped, or that the leather supporting ring is placing an uneven tension on the cone edges because it is unevenly stretched. It is sometimes possible to correct this trouble by first loosening the spider screw (or screws) and placing the centering shims in place. Then loosen all screws around the cone-clamping ring. Now tighten them until they just begin to clamp. Then turn any one screw a full turn. Now turn the screw diametrically opposite to it, a full turn, and then turn one of the screws half way between these two, a full turn. Next turn the one diametrically opposite to this one, a full turn. Continue this until all the screws have been turned one full turn. Then repeat the operation, in this same order, until all of the screws are tight. In this way the outer edge of the cone will be clamped down evenly all around, and an even tension will be placed around the entire cone edge. Now tighten the spider screw (or screws) and remove the shims.

The cone and voice coil should now be tested for centering (see last paragraph of Art. 26-37). If the voice coil still scrapes, it is likely that the spider is warped (inspect it carefully; normally it should be perfectly flat), the cone is warped out of shape, or the form on which the voice coil is wound is warped so that it is no longer round. If this is the case, it is usually advisable to replace the entire cone, spider, and voice coil assembly with a new one, for repair of these parts is usually a tedious, time-consuming job which calls for considerable mechanical skill. However, if these parts must be repaired, either because of emergency or because the owner insists upon repair, the work may be done by the service man.

26-39. Repairing the Voice Coil.—The first step when making almost any repair on the cone, voice coil, or spider is to remove the entire cone and voice coil assembly. Every step should be performed carefully so as not to damage either the cone or the voice coil form or winding. The speaker should be laid on its back with the cone pointing straight up. First the screws should be removed from the ring which clamps the outer rim of the cone to the frame. In many of the recent loud speakers, the cone is cemented to the rim. In order to remove this cement (it cannot be removed with water or ordinary solvents), the cemented portion should be saturated with "lacquer thinner" which can be purchased at any paint store. When the cement dissolves (it usually requires 5 to 10 minutes), the edge of the cone may be freed. Then the voice coil leads should be disconnected, and the spider set-screw (or screws) removed. The cone should now be lifted from the speaker frame carefully so as not to damage either the voice coil or the cone.

The voice coil should now be examined carefully. If the form is out of round, it may be repaired by inserting a round, tapered cork of the proper size into its open end—exactly as you would in the neck of a bottle. Do not stretch the coil form—just push the cork in snugly enough to fill the coil-form diameter. Now test for perfect roundness by means of a pair of calipers. Alter the position of the cork a little here and there, as requirements dictate, in order to make the coil form round. Now coat the coil with a very thin solution of a good grade of collodion or cement that will not warp the coil when it dries. No lumps or thick spots of cement should be left on the coil, for they will prevent its insertion into the small air gap later. While you are at it, it is a good plan to re-cement all the seams in the cone, and the cemented parts of the spider. This will strengthen them and repair any seam which contains cracked cement that is not visible. After at least 1 hour (when all the cement is thoroughly dry), remove the cork from the voice coil form, test again for roundness, and install the cone. It should be recentered with shims (Art. 26-37), and the spider set-screws tightened. The outer rim should then be re-cemented, the ring put back in place, and the shims removed after the job is complete. The voice coil leads should now be connected properly, and the speaker tested (see Fig. 26-19).

Very often, an inspection of the voice coil (after the cone has been removed from the speaker) will reveal that the voice coil winding has become loose. This will cause a peculiar buzz or a rapid rattle. It may have rubbed against the pole piece and scraped some of the enamel insulation off its outside surface. If the damage is slight it may be repaired by scraping the burrs off the copper wire with a sharp penknife, and then coating the surface of the scraped wire with a thin varnish or household cement. However, if the damage is serious, the cone and voice coil should be replaced with a new one.

26-40. Repairing the Spider.—It is possible for the spider to warp and become out of true. If this happens, it is practically impossible to properly center a voice coil. In other cases, the spider causes chattering, rasping, or high-pitched reproduction. Spiders that are not stiff enough will also cause chattering. A new spider (or a spider, voice coil, and cone assembly) should be installed, but if one is not available, another may be cut from thin sheet bakelite or fibre having the proper degree of flexibility. In order to do this, remove the cone-spider assembly (see Art. 26-39) and place it cone-up, on a table. With a good grade of solvent (lacquer thinner will do), remove the cement that holds the spider to the cone. In some speakers the spider is cemented to the cone at the back of the speaker, in which case the cone should be placed with the large-diameter end on the table. When the solvent has loosened the cement, carefully remove the spider from the cone with the aid of a safety-razor blade.

Remove the voice coil from the spider in a similar manner. Now, using the old spider as a template, cut out a new spider from the thin bakelite or fibre. A simple expedient is to cut out the old spider with a razor blade, leaving a ⅛-inch

flange of this spider remaining stuck to the cone. Then, using this spider as a template, cut out a new spider from a discarded cone whose diameter is about ¼-inch larger than the opening it is to cover. Cement the new spider to the ⅛-inch flange, and allow it to dry. The voice coil is then recentered in the usual manner.

An annoying rattle very often develops due to excessive vibration of one of the legs of the spider. The guilty member may be located by placing the finger lightly on each leg in turn until the rattle stops when one is touched. A thin piece of leather or felt is then glued over this leg to dampen its vibration.

26-41. Eliminating Paper Rattle.—Although the voice coil and spider may be in good condition, a high-pitched rattle may be heard—a rattle that sounds more like the rustle of leaves than a metallic noise. This is due to some section of the cone proper vibrating in an abnormal manner. The most frequent cause of this *paper rattle* is a faulty seam in the cone. The edges of this seam must be stuck together tightly from end to end; any opening will cause paper rattle. It is usually best to open the entire seam with a good grade of solvent and re-cement the entire length. The stiffness of the entire seam will then be uniform throughout its length.

Paper rattle can also be caused by a tear in the cone itself. The best procedure here is to cement the seam only, if the tear is slight and the edges overlap. Under any other conditions, the cone must be replaced, as the paper rattle will be particularly bothersome because of the vibration of the edges. Thin strips of paper cemented on both sides of the cone to cover the seam can be resorted to in some cases, though it is not particularly recommended if the tear is very large, because the stiffness of the cone is then changed and the quality of the reproduction impaired.

(Continued next month.)

Mailbox

Dear Sir,

This is to inform you that my father, Julius H. PIlger, died, October 24, 1985, at the age of 66 years. He was a collector of radios, tubes, wireless sets and literature. He is survived by his wife and son.

Respectfully yours,
Julius C. Pilger
2008 E. Seward Street
Tampa, FL 33604

Social Events

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HOUSTON VINTAGE RADIO ASSOCIATION, 6110 PECAN LANE, KATY, TEXAS 77449.

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INDIANA HISTORICAL RADIO SOCIETY, 245 N. Oakland Avenue, Indianapolis, IN 46201.

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THE ANTIQUE RADIO CLUB OF ILLINOIS, one of the clubs that conducts large meets of national prominence in the Chicago area. For more information contact: Joe Willis, P. O. 14732, Chicago, Il 60614.

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WELCOME TO SEND IN AN AD ABOUT YOUR CLUB.

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NORTHWEST VINTAGE RADIO SOCIETY — Annual dues $12.50. monthly newsletter, THE CALL LETTER. Write: Ed Charman, Northwest Vintage Radio Society, P. O. box 02379, Portland, OR 97202.

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ARIZONA ANTIQUE RADIO CLUB, a lately formed club that publishes RADIO NEWS, a quarterly bulletin with informative articles and ads. Annual dues are: $10.00 for a year. Write: Lee Sharpe, treasurer, Arizona Antique Radio Club, 2224 W. Desert Cove #205, Phoenix, AZ 85029.

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(Continued next page.)

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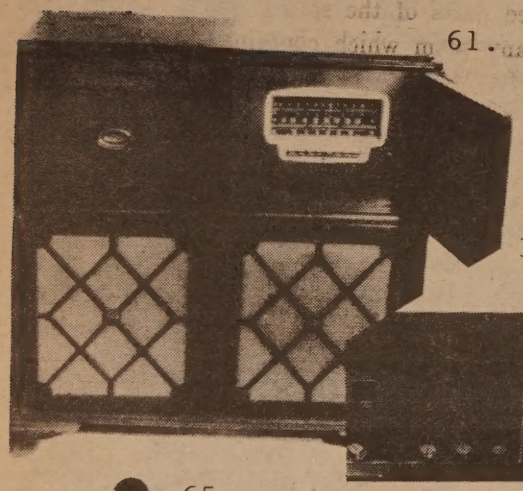

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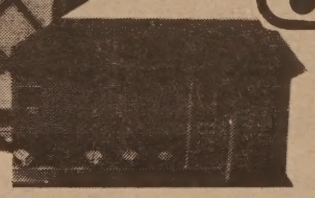

HARRY POSTER
Radios & TV's of the '40s
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SASE for my Photo List.

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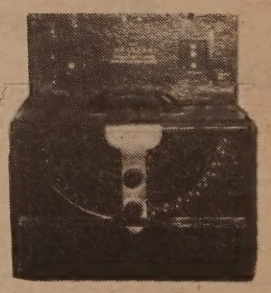

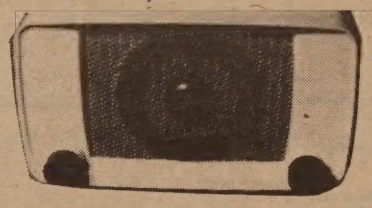

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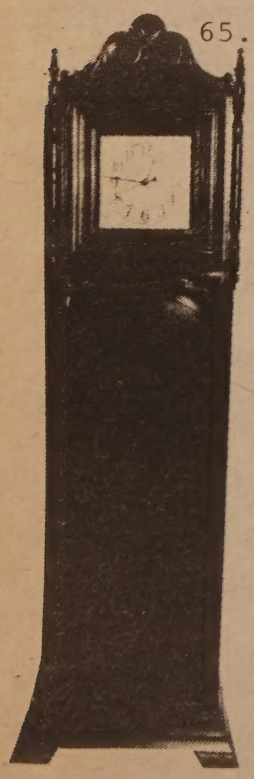

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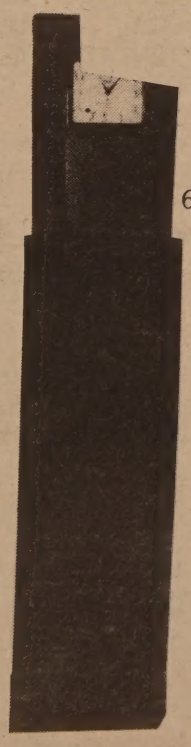
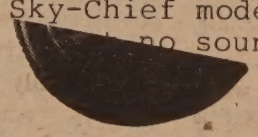
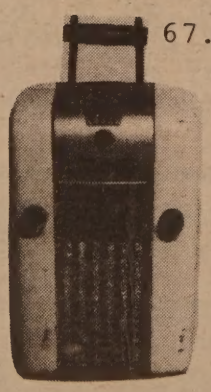




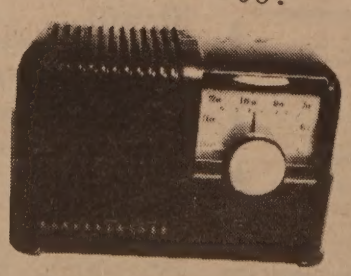
Sky-Chief model 38-1. Clean wooden radio, sloping front. [illegible] no sound. (11x9x6"-8#) $30

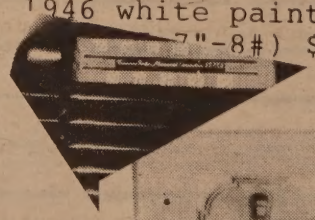
1946 white painted bakelite radio. AM dial [illegible]7"-8#) $36

67.



68.





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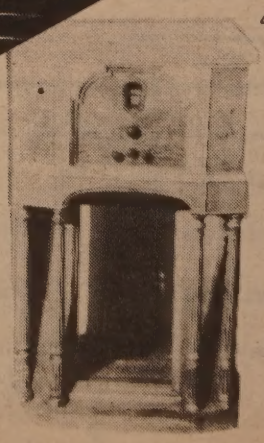
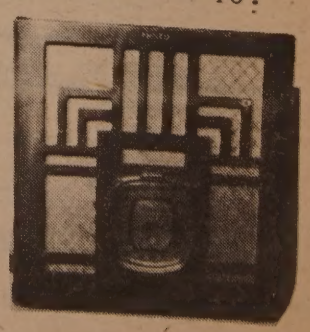


46.



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CALIFORNIA HISTORICAL RADIO SOCIETY is a popular group that publishes a journal six times a year and provides swap meets four times a year for its members. CHRS, P. O. Box 1147, Mountain View, CA 94042-1147.

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MID-AMERICA ANTIQUE RADIO CLUB, 9723 CARTER DRIVE, OVERLAND PARK, KANSAS 68212.

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ANTIQUE RADIO CLASSIFIED is now in its second year of publication. Have you seen a copy yet? Send $1.50 for sample issue. Gary Schneider, Antique Radio Classified, 9511 Sunrise Blvd., #J-23, Cleveland, OH 44133.

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VINTAGE RADIO AND PHONOGRAPH SOCIETY, an organization that is famous for its yearly conventions in the Dallas area. Also it publishes a journal approximately six times a year. Both phonograph and radio collectors are invited to join this society from all over the country. Dues are $13.50 a year. Write: Vintage Radio and Phonograph society, P. O. Box 165345, Irving, TX 75016.

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THE SOCIETY TO PRESERVE AND ENCOURAGE RADIO DRAMA VARIETY AND COMEDY, P.O. BOX 1587, HOLLYWOOD, CALIFORNIA, 90078.

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MSC. PARTS FOR MARCONI, DeFOREST, KENNEDY, AMCO, HALCUN, RADIOLA, SPEAKERS, DRIVERS, MIKES, CRYSTAL DETECTORS. LARGE SASE. JOE HORVATH, 522 THIRD STREET, SAN RAFAEL, CA 94901.

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FOR SALE — 200 PLASTIC/BAKELITE 4 or 5 tube small radios as removed from a closed up repair shop. Use for parts or repair them. Sold as removed. 3 for $10.00 plus U.P.S. shipping. Krantz, 100 Osage Avenue, Somerdale, NJ 08083.

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VINTAGE RADIOS 1930'S, 1940'S. FOR LIST SEND SASE TO OLDE TYME RADIO COMPANY, 2445 LYTTONSVILLE ROAD, SILVER SPRING, MD 20910

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REASONABLY PRICED NEW AND USED RADIO TUBES, all guaranteed to be good. For sets of the mid 20's to late 1940's. SASE for list. Herman Fothe, 10 Jackson Street, Sloatsburg, NY 10974.

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FOR SALE, RADIO COLLECTION, including but not limited to over 30 radios, 90% made in the 20's, crystal sets to consoles. AK 20, 32, 55, Grebe Mul, Ozarka, Sparton, Silver Marshall, Gilfilen Bros., Freed, Kolster, RCA, etc. Old test sets and matters. Will sell all together. Only $16,000 or best, Vincent G. Petty, 823 S. Cedar Plc., Kennewick, WA 99336. (509) 586-3176.

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RADIO SCHEMATICS— $1.25. Give make and model number. Newly printed tube manuals of antique and obsolete tubes, containing specifications, tube diagrams, VT guide and substitution guide. Books, tubes and other parts. Send SASE for list. Willie Housel, 1816 S.W. 12, Lincoln, Nebr. 68522.

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FOR SALE: TUBES, SPEAKERS, CAPACITORS, have over 500 types of tubes. Send S.A.S.E. for lists. C. Elmer Nelson, 11 S. Church Street, Princeton, IL 61356.

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RIDERS, HOWARD SAMS, RCA, PHILCO PLUS OTHER SERVICE DATA. TUBES PARTS, TEST EQPT. SASE FOR LIST. WRITE WANTS AND SASE. KRANTZ, 100 OSAGE AVENUE, SOMERDALE, NJ 08083.

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ARE YOU LOOKING FOR A SPECIFIC ANTIQUE RADIO? I have many, beautifully restored and in good working condition. Also hundred of old tubes, battery and electric. SASE, Ira L. Witthaus, Warrenton, MO 63383.

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SALE:::: RADIOLA II ..$250; RADA ..$150; RA tuner, no box ..$55; Freshman, slant front ..$50; Philco 16B and parts radio ..$210; Clarion Jr. and parts radio ..$195; Neutrowound ..$275; RCA 103 speaker ..$50; Magnavox M-3 horn ..$75; AK "L" horn ..$75; "Brown" horn ..$85; Temple "air chrome" speaker ..$80; Crosley RFL 60 ..$150; Steinite coil, original box ..$10; Daven amp., chipped tube socket ..$50— Will trade anything listed for crystal sets or one tube radios. —— Anthony Caserta, 47 Vista Lane, Levittown, NY 11756. (516) 731-7175.

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B and W YOKES AND FLYBACK 14HRV 267 Thordarson .. $15.00 postpaid. Don Aldred, 39 E. 8th Street, Jacksonville, FL 32206.

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KENNEDY MODEL 311 PORTABLE, $200. ONE TUBE MICHIGAN, WORKS, 125. MUCH AK DEALER LITERATURE INCLUIDING- "SALES BOOK", SIX FOOT STORE BANNERS (NEVER USED), AND THREE BOOK SET SERVICE MANUALS. INQUIRE. EVAN HAYDON, 4308 N. 15, LINCOLN, NE 68521. (402) 435-4083.

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RIDER TROUBLE SHOOTING MANUALS, VOL. FIVE THRU SIXTEEN, $15 PLUS SHIPPING EACH. SENT UPS. WILLIAM L. HOWELL, 5724 GIBBONS DRIVE, CARMICHAEL, CA 95608.

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FOR SALE: RIDER'S T.V. 3-4-5 $15 EACH P.P.D. RIDERS RADIO VOL. 6 THRU 18 $10 EACH P.P.D. 7 AND 9 PIN MINATURES, NEW IN ORIGINAL BOX RCA, I.T.T. STLV.'S GIVE 2ND AND 3RD CHOICE, 50 FOR $20.- P.P.D. OCTAL BASE TV TUBES, NO HORZ. OUTPUTS 30 FOR $20.- P.P.D. GIVE 2ND 3RD CHOICE. WRITE WANTS FOR OTHER TUBES AND SERVICE INFORMATION. C. F. ENGLAND, 98 MONTAGUE, SO. ZANESVILLE, OH 43701.

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3 BLACK AND WHITE PHOTOS, 24 X 20 OF RADIO EQUIPMENT OF THE WORLD WAR II ERA from the Kessler A. F. Base, Biloxi, MS. Also S-40A Hallicrafter radio. Russell Schoen, R#1, Bx 22, Clentonville, WI 54929. (715) 823-6744.

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SELLING: 380 RADIO MAGAZINES, 1919-1927. RADIO NEWS, RADIO, RADIO AGE, WIRELESS AGE, WIRELESS WORLD, POPULAR RADIO, RADIO BROADCAST. SASE FOR LIST. W6ME, 4178 CHASIN STREET, OCEANSIDE, CA 92056.

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FOR SALE: THINWALL, BLACK BAKELITE TUBING. 4" DIA $3.75/FT. 3 1/2" DIA $3.50/FT. 3" DIA $3.00 PER FT. WILL CUT TO ANY SIZE, 12" MINIMUM. BOB, W6ME, 4178 CHASIN STREET, OCEANSIDE, CA 92056.

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FOR SALE: TUBES, PARTS, SCHEMATICS, custom power supplies. SASE for list to: Los Locos, 1201-74 Monument Blvd., Concord, CA 94520.

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FOR SALE, RIDERS, HOWARD SAMS, RCA, PHILCO, PLUS OTHER SERVICE DATA. SETS, PARTS, TUBES. LIST FOR S.A.S.E. — KRANTZ, 100 OSAGE AVENUE, SOMERDALE, NJ 08083.

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SCHEMATICS — RADIO $1.25, TV $3.50. Give make and model number. Newly printed tube manuals of antique tubes containing tube characteristics, pin diagrams, VT numbers and substitution guide $5.00. Books, tubes and other parts send SASE for list. Willis Housel, 1816 S.W. 12th, Lincoln, NE 68522.

****

FOR SALE: OLD TRANSISTOR RADIOS, SASE for over 50 set list. Serge Krauss, 141 Homan Avenue, Elkhart, IN 46516.

****

LITERATURE ON COMPLETE LINE of 1938 ZENITHS copied from original. Includes consoles, Chairside AC DC and robot dial. 2-50 — Marion Van Hal, 1328 Orchard Drive, Pella, IA 50219

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CRYSTAL, TUBE EXPERIMENTER'S catalog - $1.00 - None free. sets, kits, handbooks, plans, coils, supplies, obsolete tube quotations. Laboratories, 1477-H, Garden Grove, CA 92642.

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SELLING 150 EARLY SAMS PHOTOFACT SETS, 1.00 each, postpaid. Send SASE for new list. Many tube types available. Send want list. Craig Larson, 2122 45th Avenue N.E., Minneapolis, MN 55421.

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FOR SALE — CATHEDRAL, BATTERY, AND A. C. radio. Photo list four times per year. Send S.A.S.E. to J. Albert Warren, Box 279, Waverly, PA 18471.

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FOR SALE: RCA BERKSHIRE REGENCY radio/ phonograph/ television combination. Full set of operational manuals. Excellent condition. Vintage late 1940's. Any reasonable offer accepted. Goodwill Industries of Pittsburgh, Attn. R. S. Foltz, 2600 Carson Street, Pittsburgh, PA 15203.

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TUBES: SELLING 50 YEAR COLLECTION. ALL INQUIRIES INVITED. MILT LEVY, 101 EAST DRIFTWOOD, NUMBER 26, DRIFTWOOD APARTMENTS, FREDRICKBERG, TX 78624.

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SALE: UNICO SPECIAL single tube battery receiver (Clapp Eastham). SASE for photo. Wanted: Q meter. TCBA, R3, B181, Glens Falls, Ny 12801.

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WANTED

BEITMAN SUPREME TV MANUALS, 1949 and 1952. In good condition. Fred Emerson, 627 Illinois Avenue, Elgin, IL 60120.

ARVIN (NOBLITT SPARKS) model 1427 or 1427B. Prefer no push buttons and good cabinet. Art Corbus, 5704 11th Avenue N.W., Seattle, WA 98107. Ph. (206) 783-6151.

WANT ATWATER KENT BREADBOARD AND PARTS. TENNESEE AND KENTUCKY COLLECTORS PLEASE WRITE ME A LETTER. — NEW HOBBY — K4UJZ, RUSS OLMSTED, RT 11 BOX 349, MURFREESBORO, TN

WANTED — LOOP ANTENNA for DeForest D-12 Radiophone. Any other loop also wanted. Wanted, granfather clock with radio. Gordon Wilson, 11108 - 50 Avenue, Edmonton, Alberta, Canada, T6H 0H9.

"SIGNAL CORP RADIO PAMPHLETS #1-30 needed, prefer originals but Xerox OK. Also WWI Signal Corps. equipment, glass display battery set, 1920s portables, DeForest sets, Kellogg / early AC sets and fancy horns. Cash or trade. Mel Rosenthal, 507 S. Maryland Avenue, Wilmington, DE 19804. (302) 994-0874.

WANTED DIAL FACE for Zenith model #85661, Gary Cothron, 3143 E. H-4, Lancaster, CA 93534. (805) 946-1177.

DeFOREST D12 front panel and cabinet, or junker set. P. A. Kinzie, 713 E. Beale, Kingman, AZ 86401.

WANTED: RADIO TUBES (45'S, 50'S), Western Electric Tubes, Amps., Consoles, Drivers, Horns, Speakers, Parts and Tannoy Speakers, McIntosh or Marantz Tube Amps. David Yo, P.O. Box 382, Monterrey Park, CA 91734. Tel. (818) 576-2642.

WANTED: DYNASCAN 1000 IN STILL GOOD CONDITION. OK ON SMALLER TUBES MISSING. CONDITION ON C.R.T. IF KNOWN?. IT MAY BE REJUVINATED IF NOT COMPLETELY DONE IN, SHOULD HAVE SOME EMISSION, NO SERIOUS SCREEN DEFECTS LIKE HALOS OR SILVERING. KNOWN SUBSTITUTE?. DYNASCAN PICKUP AND RF GENERATOR USING 931-A. GOOD CONDITION PREFERABLE. OK ON MISSING TUBES SAVE PHOTOMULTIPLIER. CBS COLOUR WHEELS, COLOUR SLAVE 15"-17" GOOD CONDITION. COLOUR PHOTOS, SLIDES 16MM COLOUR MOTION PICTURES FROM STUDIO MONITOR OR OTHER. WOULD WELCOME CORRESPONDENCE FROM COLLECTORS OF CBS MATERIAL. D''ARCY BROWNRIGG, P. O. BOX 292, CHELSEA, QUEBEC, CANADA, JOX 1NO.

WANTED: ELECTRON TUBES AND EARLY audio/ stereo equipment. Ex. — Marantz, McIntosh, W.E., etc. Tubes - 50, 250, 350, 450, 45, 245, etc. — plus many W. E. types. Please contact me with anything of interest. Charles Dripps, 4331 Maxson Road, El Monte, CA 91732 (818) 444-7079.

WANTED Crystal set radios, varible condensers, coils, variometers, crystal detectors, carborundum detectors, galena crystals, cat whiskers, headphones, terminals, tap switches, headphones, circuit diagrams, pictures, books, detector holders, coil forms, etc. Starting vintage radio company to supply kits, plans, parts to interest young people in radios instead of just computers. MIDCO, 660 North Dixie Highway, Hollywood, FL 33020.

SUPERHETERODYNE U. S. RADIO AND TV, model 19, class B, 60 cycle, 85 watts, Leslie Dorety, Stripping, Refinishing Repairing, 1129 Valleyview, Hurst, Texas, 268-5051. (no zip or area code given).

"WANTED: Glass display radio, prefer factory made. Cash or trade. Also want WW I equipment, portables and early AC sets. Mel Rosenthal, 507 S. Maryland Avenue, Wilmington, DE 19804 (302) 994-0874."

CLEAN, COMPLETE, WORKING Zenith Trans-oceanic, model 7G605 with airplane on grill cloth. Brian Rhodes, 90 Frances Avenue, Stanhope, NJ 07874.

WANTED: pre- 1950 TV's, small screens, channel #1, Pilots, Predictas, unusual sets. Also, my first illustrated list of over 50 radios — Large S.A.S.E. please. Harry Poster, Box 1883, South Hackensack, NJ 07606.

INSTRUCTION MANUAL for "Precision tube tester model 612, to be Zeroxed or original. Also latest charts and adaptors for same." Kindly estimate charges." Frank Hoffert, 19605 Chardon Road, Cleveland, OH 44117.

WANTED: RECORD/ PLAYBACK HEAD for Webster Chicago Wire Recorder. Roy Schmitt, Route 1, Box 800, Lot 84, Converse, TX 78109. (512) 658-2669.

WANTED: SILVER MARSHALL PLUG IN COILS TYPE 114, PLUGS INTO RING TYPE SOCKET. COIL FORMS OK. ALSO HAMMARLUND OR SHORTWAVE AND TV LABS COIL FORMS. BOB, W6ME, 4178 CHASIN STREET, OCEANSIDE, CA 92056.

WANTED - ZENITH RADIO SIGNS. DISPLAYS, ADVERTISING, ETC. PRE 1935. CALL MONDAY THRU FRIDAY. 8 TO 5. (312) 357-4955.

S.A.S.E. is a self addressed stamped envelope.

EICO MODEL 147 SIGNAL TRACER in excellent condition with probes and manual. Also want Motorola Portable Radio Model 5A5. Roy Schmitt Rt. 1, Box 800 Lot 84, Converse, TX 78109. (512) 658-2669.

WANTED, INSTRUCTION MANUAL OR ANY other set manual, including schematic for Kennedy 110. Zerox OK. Bill Pugh, 2126 E. Myrtle, Phoenix, AZ 85020.

INFORMATION ON RADIODYNE RADIO and *Radiodyne* Shortwave Converter made in Racine Wisconsin by Western Coil and Electric Company. Address.. Frank Prince, 1242 State Street, Racine, WI 53404.

WANTED COAXIAL OR TRIAXIAL SPEAKERS of Jensen, Trusonic, Tannoy, Altec 604's. Western Electric equipment (tubes, amps., drivers, horns, speakers, microphones and parts). Radio tubes (50's, 211, 845, 8005) David Yo, P. O. Box 832, Monterey Park, CA 91754. Tel. (818) 576-2642.

WANTED: VINTAGE TUBES; 2A3, 45/245, 50/250, 10/210, 211/VT4C, 845, W.E. TUBES; VT-2, VT-52, 101D/F, 102D/F, 104D, 205D/F, 211D/E, 242C, 252A, 271A, 274A/B, 275A, 276A, 284D, 300A/B, 301A, 350B, EUROPEAN TUBES; PX4, PX25, DA30, DA60, RE604, TM 100. WILL PAY TOP PRICE, ASK DETAILS. MIKIO KOJIMA, 11 KOYAMA, MATSUDOSHI, CHIBAKEN 271, JAPAN

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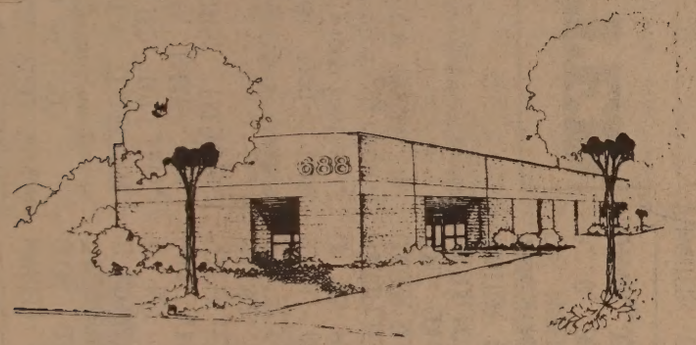

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January

THE HORN SPEAKER

1986

Radio Trend's Up-Ward

HELEN WARD

JULY 18, 1935

Helen Ward, singing star with Benny Goodman's orchestra, which is filling a four-weeks' engagement at the Radio City Party broadcasts over an NBC-WEAF network including WLW on Saturdays at 8 p. m. (E.S.T.), drives to the studio in a new dubonnet colored roadster and sings hot rhythms with a torrid band. When she was a little girl, Helen Ward took piano lessons for three months. Then she gave up a formal musical education and began lending an ear to the jazz tunes that came out of Harlem. Today she can play anything after hearing it once, and her deep voiced songs are famous on the air-waves and on RCA Victor phonograph recordings.

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